



## NUCLEAR REGULATORY COMMISSION

### 10 CFR Parts 50 and 52

[NRC-2023-0054]

#### Draft Regulatory Guide: Quality Assurance Program Criteria (Design and Construction)

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** Draft guide; request for comment.

**SUMMARY:** The U.S. Nuclear Regulatory Commission (NRC) is issuing for public comment a draft regulatory guide (DG), DG-1403, "Quality Assurance Program Criteria (Design and Construction)." This DG is proposed Revision 6 of Regulatory Guide (RG) 1.28 of the same name. The proposed revision endorses Nuclear Energy Institute (NEI) 14-05A, "Guidelines for the Use of Accreditation in Lieu of Commercial Grade Surveys for Procurement of Laboratory Calibration and Test Services," Revision 1, issued November 2020, as an acceptable approach for licensees and suppliers subject to the quality assurance (QA) requirements of NRC regulations. Also in this proposed revision, the NRC staff endorses the Part I and Part II requirements included in NQA-1-2017, NQA-1-2019, and NQA-1-2022 for the implementation of a QA program during the design and construction phases of nuclear power plants and fuel reprocessing plants.

**DATES:** Submit comments by **[INSERT DATE 30 DAYS AFTER THE DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

**ADDRESSES:** You may submit comments by any of the following methods; however, the NRC encourages electronic comment submission through the **Federal rulemaking website**:

- **Federal rulemaking website:** Go to <https://www.regulations.gov> and search

for Docket ID **NRC-2023-0054**. Address questions about Docket IDs in Regulations.gov to Stacy Schumann; telephone: 301-415-0624; email: Stacy.Schumann@nrc.gov. For technical questions, contact the individuals listed in the **FOR FURTHER INFORMATION CONTACT** section of this document.

- **Mail comments to:** Office of Administration, Mail Stop: TWFN-7-A06, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Program Management, Announcements and Editing Staff.

For additional direction on obtaining information and submitting comments, see “Obtaining Information and Submitting Comments” in the **SUPPLEMENTARY INFORMATION** section of this document.

**FOR FURTHER INFORMATION CONTACT:** Andrea Keim, Office of Nuclear Reactor Regulation, telephone: 301-415-1671; email: Andrea.Keim@nrc.gov, or James Steckel, Office of Nuclear Regulatory Research, telephone: 301 415-1026; email: James.Steckel@nrc.gov. Both are staff members of the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

## **SUPPLEMENTARY INFORMATION:**

### **I. Obtaining Information and Submitting Comments**

#### **A. Obtaining Information**

Please refer to Docket ID **NRC-2023-0054** when contacting the NRC about the availability of information regarding this action. You may obtain publicly available information related to this action, by any of the following methods:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov> and search for Docket ID **NRC-2023-0054**.

- **NRC’s Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, at

301-415-4737, or by email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov). The ADAMS accession number for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in this document.

- **NRC's PDR:** You may examine and purchase copies of public documents, by appointment, at the NRC's PDR, Room P1 B35, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852. To make an appointment to visit the PDR, please send an email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov) or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

#### B. Submitting Comments

The NRC encourages electronic comment submission through the **Federal rulemaking website** (<https://www.regulations.gov>). Please include Docket ID **NRC-2023-0054** in your comment submission.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC will post all comment submissions at <https://www.regulations.gov> as well as enters the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information before making the comment submissions available to the public or entering the comment submissions into ADAMS.

## II. Additional Information

The NRC is issuing for public comment a DG in the NRC's "Regulatory Guide" series. This series was developed to describe methods that are acceptable to the NRC staff for implementing specific parts of the agency's regulations, to explain techniques

that the staff uses in evaluating specific issues or postulated events, and to describe information that the staff needs in its review of applications for permits and licenses.

The DG, entitled, “Quality Assurance Program Criteria (Design and Construction)” is temporarily identified by its task number, DG-1403 (ADAMS Accession No. ML22304A054).

This DG is proposed Revision 6 of RG 1.28, “Quality Assurance Program Criteria (Design and Construction).” The proposed DG describes methods and procedures that the NRC staff considers acceptable for use in complying with the agency’s regulations regarding the QA program criteria for the design and construction phases of nuclear power plants and fuel reprocessing plants. It provides an adequate basis for complying with the requirements of appendix B to part 50 of title 10 of the *Code of Federal Regulations* (10 CFR), subject to certain exceptions and clarifications of NQA-1-2017, NQA-1-2019, and NQA-1-2022 identified in proposed Revision 6 of RG 1.28. DG-1403, endorses, with some clarifications and exceptions, three versions of the American Society of Mechanical Engineers (ASME) NQA-1 standard: NQA-1-2017, NQA-1-2019, and NQA-1-2022. The previous version of RG 1.28 (Revision 5) approved the use of NQA-1b-2011 Addenda to ASME NQA-1-2008, NQA-1-2012, and NQA-1-2015, with certain clarifications and regulatory positions. The staff determined that the NQA-1-2017, NQA-1-2019, and NQA-1-2022 versions provide the most current guidance for QA, and the NRC staff endorses the Part I and Part II requirements included in NQA-1-2017, NQA-1-2019, and NQA-1-2022 for the implementation of a QA program during the design and construction phases of nuclear power plants and fuel reprocessing plants. These Parts provide an adequate basis for complying with the requirements of appendix B to 10 CFR part 50, subject to certain exceptions and clarifications of NQA-1-2017, NQA-1-2019, and NQA-1-2022 identified in DG-1403. This DG also endorses NEI 14-05A, “Guidelines for the Use of Accreditation in Lieu of Commercial Grade Surveys for Procurement of Laboratory Calibration and Test Services,” Revision 1, issued November 2020, as an acceptable approach for licensees and

suppliers subject to the QA requirements of appendix B to 10 CFR part 50.

The staff is also issuing for public comment a draft regulatory analysis (ADAMS Accession No. ML22304A055). The staff developed a regulatory analysis to assess the value of issuing or revising a regulatory guide as well as alternative courses of action.

As noted in the *Federal Register* on December 9, 2022 (87 FR 75671), this document is being published in the “Proposed Rules” section of the *Federal Register* to comply with publication requirements under 1 CFR chapter I.

### **III. Backfitting, Forward Fitting, and Issue Finality**

DG-1403, if finalized, would revise RG 1.28, and provide NRC staff endorsement of the Part I and Part II requirements. This revision would apply to both production and utilization nuclear facilities. Issuance of DG-1403, if finalized, would not constitute backfitting as defined in 10 CFR 50.109, “Backfitting,” and as described in NRC Management Directive (MD) 8.4, “Management of Backfitting, Forward Fitting, Issue Finality, and Information Requests”; constitute forward fitting as that term is defined and described in MD 8.4; or affect the issue finality of any approval issued under 10 CFR part 52.

### **IV. Submitting Suggestions for Improvement of Regulatory Guides**

A member of the public may, at any time, submit suggestions to the NRC for improvement of existing RGs or for the development of new RGs. Suggestions can be submitted on the NRC’s public website at <https://www.nrc.gov/reading-rm/doc-collections/reg-guides/contactus.html>. Suggestions will be considered in future updates and enhancements to the “Regulatory Guide” series.

Dated: April 26, 2023.

For the Nuclear Regulatory Commission.

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